

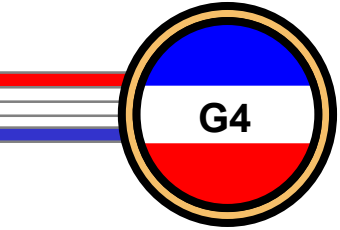


Operational Logistics: Achieving Logistics Excellence on the Battlefield

A Shared Responsibility

Presented to: 18th Annual DoD Logistics
Conference,
Jacksonville, FL

Presented by: Major General Dan Mongeon,
FORSCOM Deputy Chief of Staff, G4



Agenda

FORSCOM Overview

Army Transformation

FORSCOM Support to Transformation

FORSCOM Support to Current Operations



Who is FORSCOM?



Army National Guard:
350,000 Soldiers
400 Civilians



Active:
200,000 Soldiers
19,000 Civilians

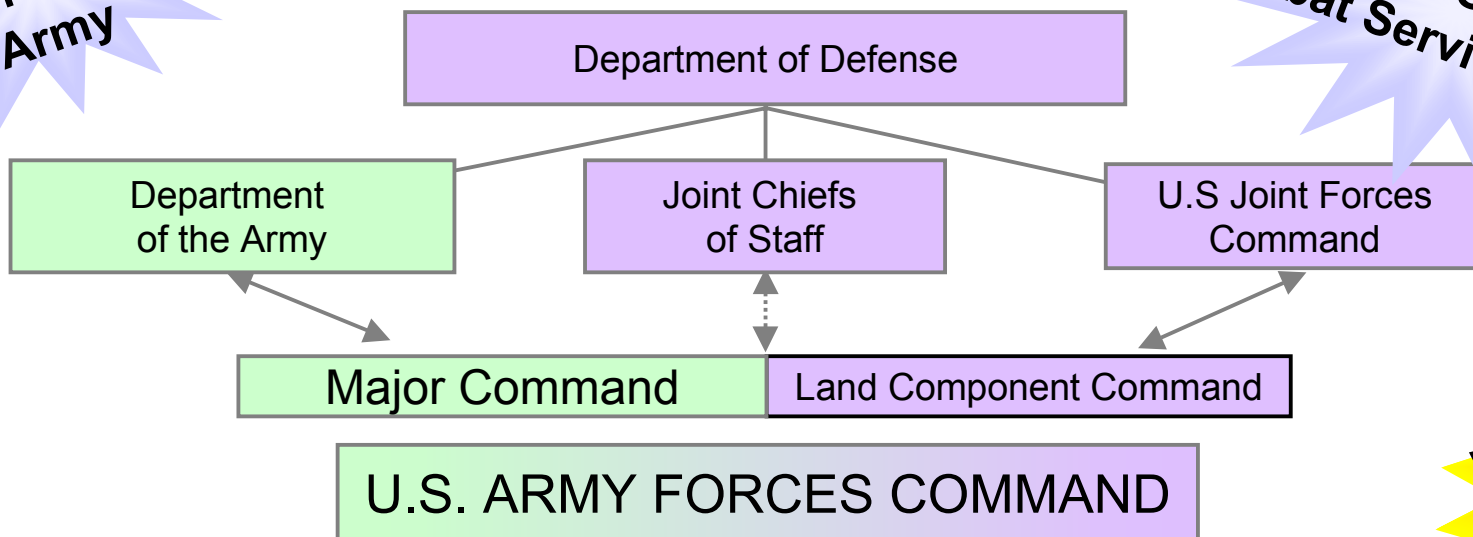


Army Reserves:
180,000 Soldiers
9,000 Civilians

77%
of the
Army

Tailored to Mission

87% of the Army's
Combat Support,
Combat Service Support



Worldwide
Mission

FORSCOM Mission

Provide **trained** and **ready** Army Forces to meet CINC Requirements

Land Component to CINCJFCOM for Homeland Security

- Major Contingency Operations
- Small Scale Operations
- Stability and Support Operations

CINC Pacific Requirements

WAR TRACE

NOBLE EAGLE

WAR TRACE

CINC Europe Requirements

SFOR
KFOR

Enduring Freedom

Transform the Army

Guantanamo Bay

CINC South Requirements

Modernize the Force

CINC Central Command Requirements

Enduring Freedom - Philippines

Army Team: Active, Guard and Reserves

Mission Focus



FORSCOM Mission Focus

Force
Provider

Sustainment of the
Force is a Shared
Responsibility

- **Operation Enduring Freedom (War on Terrorism)**

- **10,000 Active Duty soldiers**
- **1,929 Reservists** in 75 different units
- **5,387 National Guardsmen** in excess of 100 different units
- Facilitate issue resolution in support of the Combined Force Land Component Command (CFLCC)

- **Operation Noble Eagle (Home Land Security)**

- **6,562 Reservists** in 277 different units
- **11,030 National Guardsmen** in 441 Airports and 3,00 other sites

- **Force Modernization**

- Legacy Force
- Interim Force

- **Army Transformation**

- Six Initial Brigade Combat Teams
- The first two converting at Fort Lewis, WA now

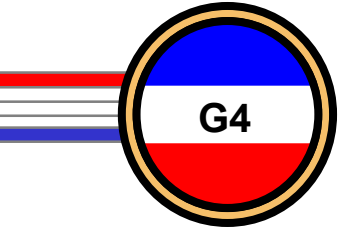
Warfighting
Readiness is
our Highest
Priority

**Requires
Partnership
with:**

DLA, Defense
Contracting
Management
Agency, AMC,
other Services,
Private Industry,
and others

Army
Transformation

Battlefield Logistics Must Keep Pace.....



Agenda

FORSCOM Overview

Army Transformation

FORSCOM Support to Transformation

FORSCOM Support to Current Operations





The Army Vision

People ★ **Readiness** ★ **Transformation**

**Soldiers on Point for the Nation ~ Persuasive in Peace;
Invincible in War**

- **Responsive**
- **Deployable**
- **Agile**
- **Versatile**
- **Lethal**
- **Survivable**
- **Sustainable**

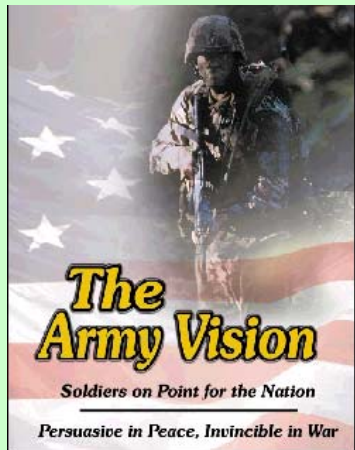


- **1 BDE in 96 hrs**
- **1 DIV in 120 hrs**
- **5 DIVs in 30 days**

“We will aggressively reduce the logistics footprint and replenishment demand. This will require us to Revolutionize the way in which we transport and sustain people and materiel”.

**Army
Transformation Plan**

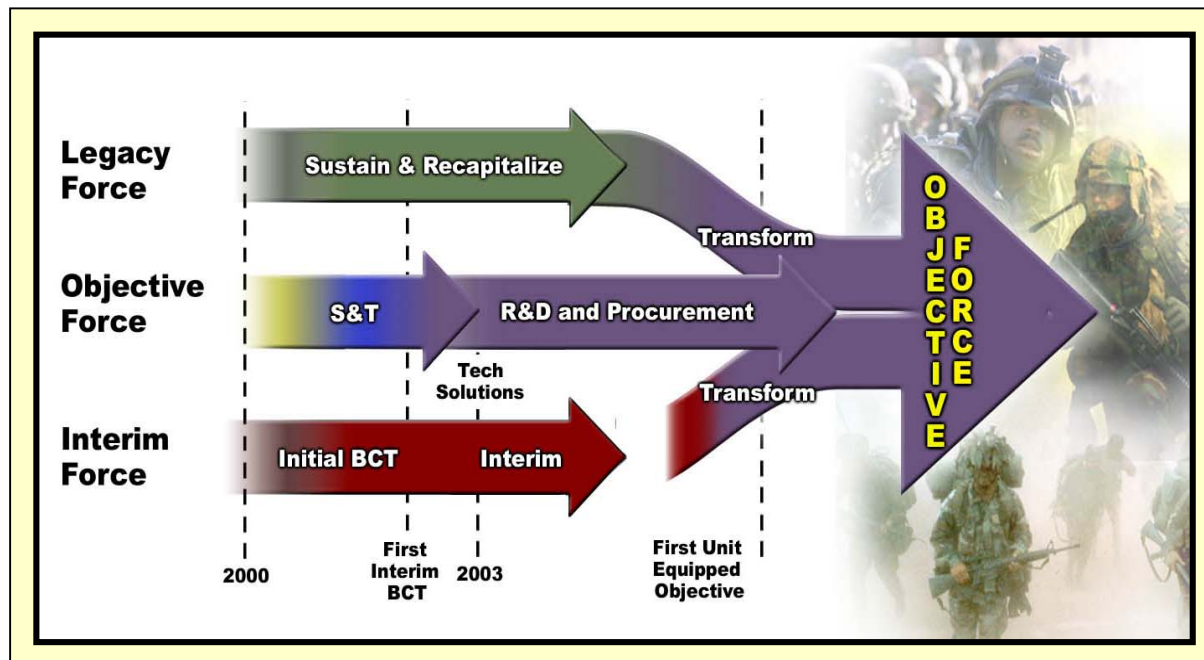
Army Transformation Plan



Concept

Process

- People
- Readiness
- Transformation



Transformation Campaign Plan (TCP)

Why Army Transformation ...

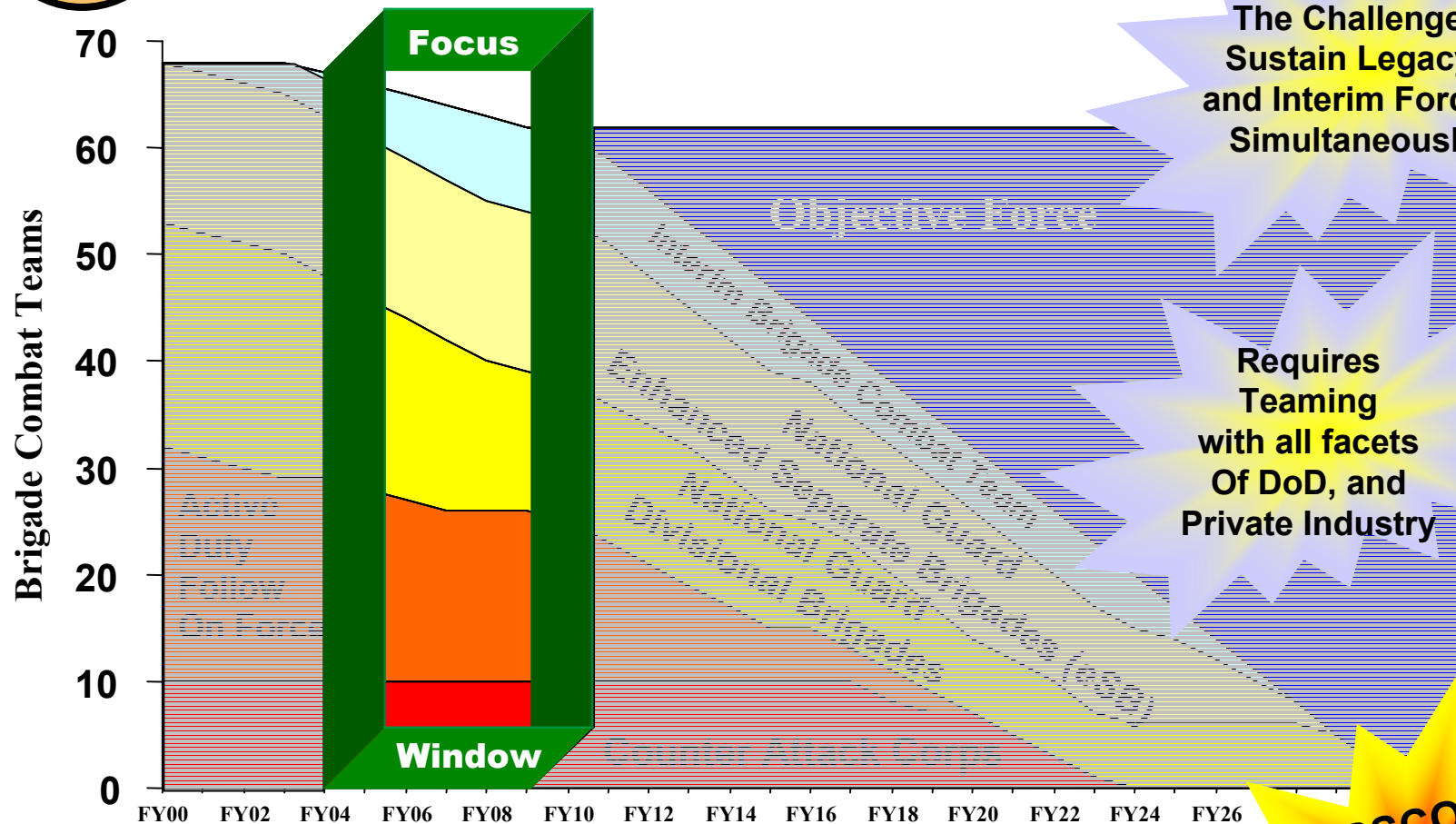
- ✓ Environment Has Changed
- ✓ Enemy Has Changed
- ✓ Strategic/Operational Imperatives
- ✓ Strategic Guidance

**Army
Transformation
Timeline**

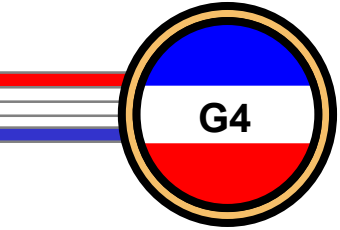


Army Transformation

A Sustainment Challenge



Transforms The Army while maintaining essential Legacy Warfighting readiness to execute the National Military Strategy.



Agenda

FORSCOM Overview

Army Transformation

FORSCOM Support to Transformation

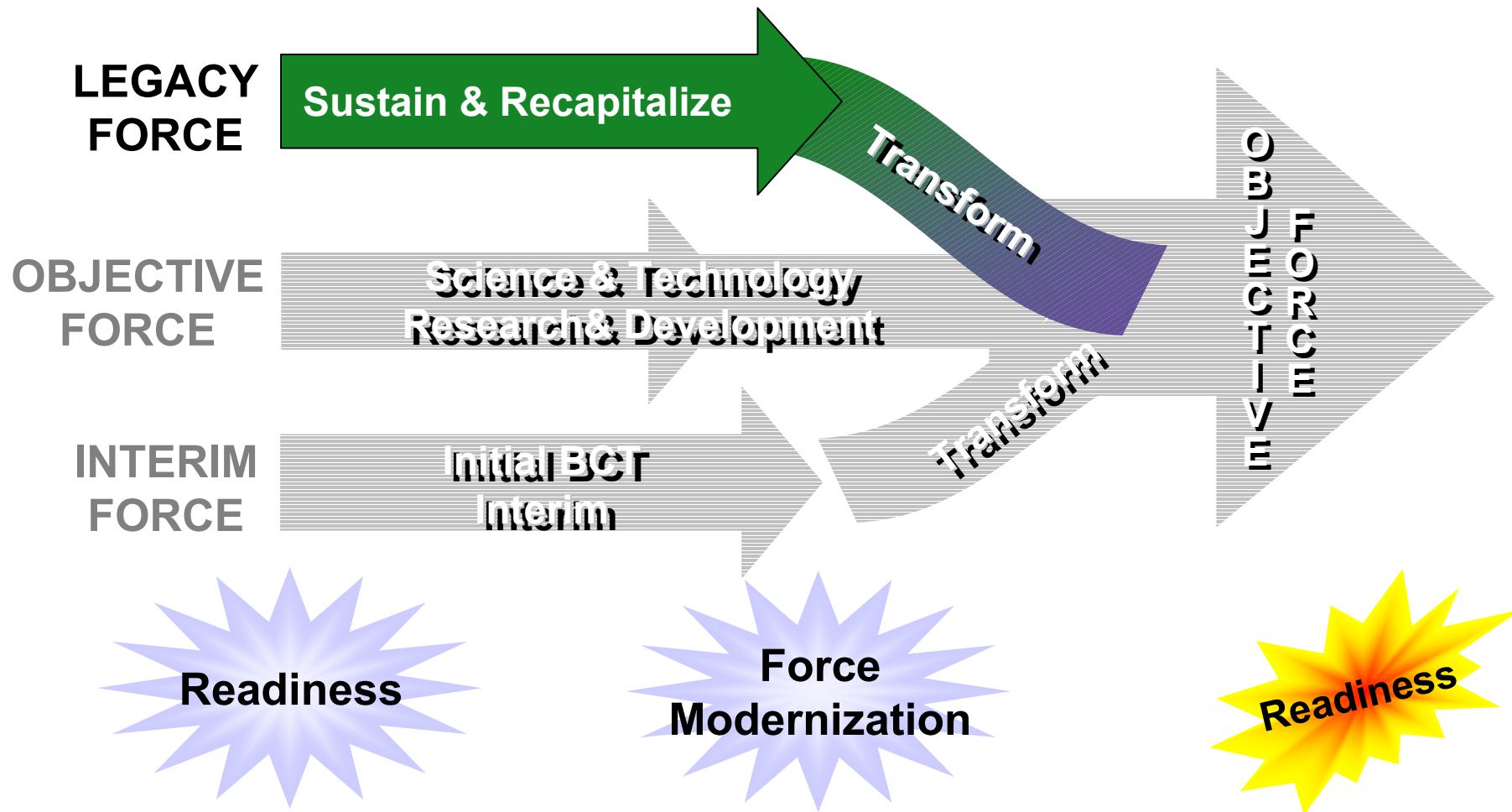
FORSCOM Support to Current Operations

**FORSCOM
Support:
Legacy Force**





FORSCOM Support to the Legacy Force





Legacy Force Sustainment Bridge to the Objective Force

**Provides Trained
and Ready Forces
to the CinC**

FY 02

FY 30

Legacy Force

Interim Force

Objective Force

Today

**Army
Readiness
Programs**

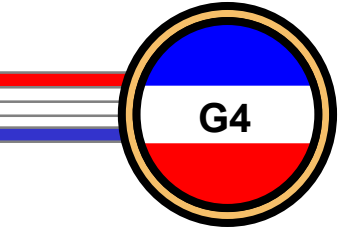
**FORSCOM
Readiness
Programs**

Modernization

Future

- **Provide combat and support systems that are:**
 - Reliable**
 - Available for wartime employment**
 - Maintainable**
- **All with enhanced components and extended lifespan**

**Readiness
Tools**



Legacy Force Readiness Tools

Army Tools

- National Maintenance Program
- Recapitalization Program

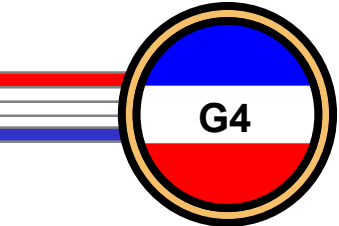
FORSCOM Tools

- Organizational Contract Augmentation Team
- High Intensity Readiness Program
- Vehicle Readiness Enhancement Program

Modernization

- Selected Legacy Systems





Army Recap System

Army
Tool

Critical to
FORSCOM
Readiness

REBUILD *SUSTAINMENT*

Zero Time/Zero Mile
Maintenance Standard

Technology Insertion

Improved Reliability,
Maintainability, Safety
and Efficiency

A System with the
Same Model - New Life

SELECTED UPGRADE *IMPROVEMENT*

Zero Time/Zero Mile
Maintenance Standard

Technology Insertion

Upgrade
Warfighting
Capability

Enhanced Model-
New Life

Army Partnering
with Industries
throughout the
USA

1,756
Abrams

M1 Abrams



Apache



704
Apache

17 Systems
\$26B Program
over next 5 years

2,370
Bradley's

M2/M3 Bradley



VREP



FORSCOM's Vehicle Readiness Enhancement Program (VREP)

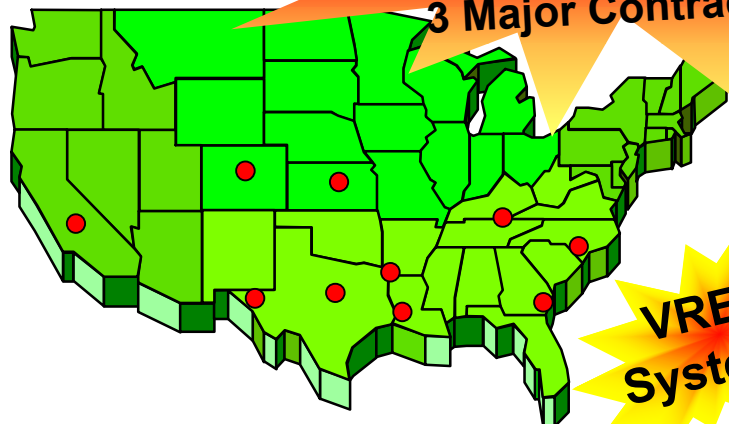
**FORSCOM
Tool**

- Supplements Army Recapitalization Program
- Refurbish weapons systems for units who will not benefit from Recapitalization Program
- Readiness multiplier
- Cost-effective

**\$250M Cost
Benefit to
FORSCOM
Since 1999**

**Provide Ready Forces
to the Warfighting
CinC**

**Partnering
with Army & Industry
10 Installations
3 Major Contractors**



**VREP
Systems**





FORSCOM's VREP Systems

Repaired
30,700 End
Items
Since 1999

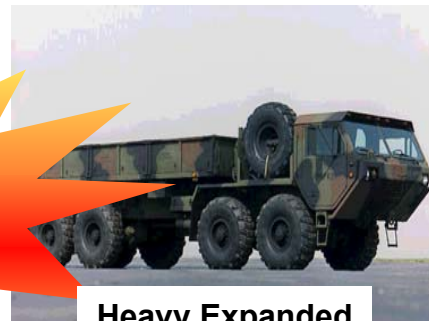


Armored Vehicle
Launched Bridge



Small
Emplacement
Excavator

HEMTTs
To Date: 969
Next Year: 671

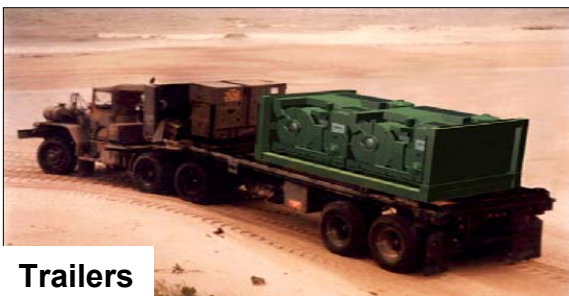


Heavy Expanded
Mobility Tactical
Truck

2,353
Vehicles
Since 2000



HMMWV



Trailers



Armored Combat
Earthmover M9

Repaired
41,334
Components
Since 1999

OCA



Organizational Contract Augmentation Teams (OCAT)

**FORSCOM
Tool**

- Readiness multiplier
- Mitigates unit maintenance personnel shortages

- Cost-effective

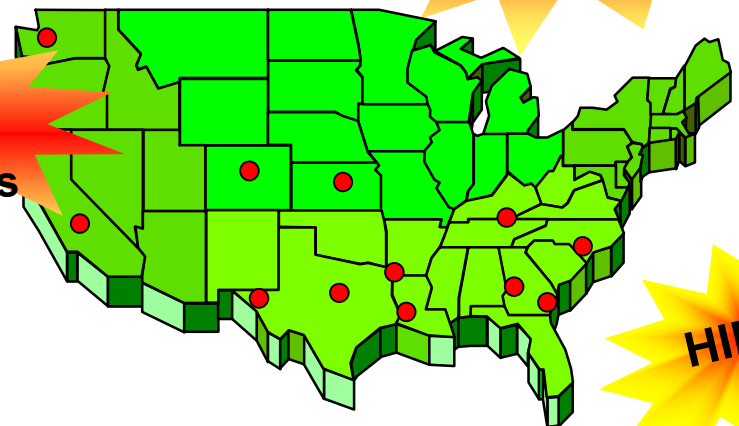
**Provide Trained and
Ready Forces
to the Warfighting
CinC**

**12
OCAT
Locations**

**138
OCAT
Teams**

**Partnering
with Industry**

HIRP





High Intensity Readiness Program (HIRP)

**FORSCOM
Tool**

- Provides soldier training

17 Assistance visits in 2002
17 Assistance visits Last Year
38 Visits over past 3 Years

**Partnering with
Industry & AMC**

- Enhances troubleshooting skills
- Provides Army and industry instruction
- HIRP leverages effectiveness of VREP/
Recapitalization

**8 Man
Teams**

**Provide Trained and
Ready Forces
to the Warfighting
CinC**

**2,300 Soldiers Trained
In over 400 units**

**Legacy
Force Modernization**



Crusader

Digital Systems

Army Modernization Schedule

DRAFT

Army Modernization Schedule

DRAFT

Unit symbols reflect completion of Equip phase

Page 1 of 4

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20 Nov 01

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Support Systems

Laundry Advanced System

Forward Repair System - Heavy

Legacy Force Summary...

Wolverine

Movement Tracking System

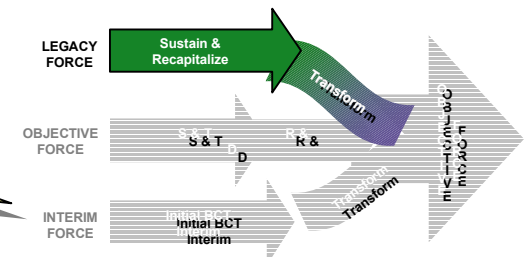


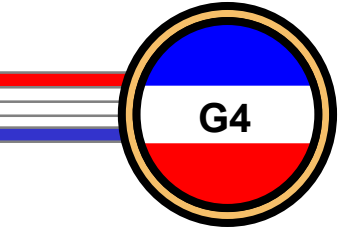
FORSCOM Support to Legacy Forces *Summary*

**Battlefield
Focus**

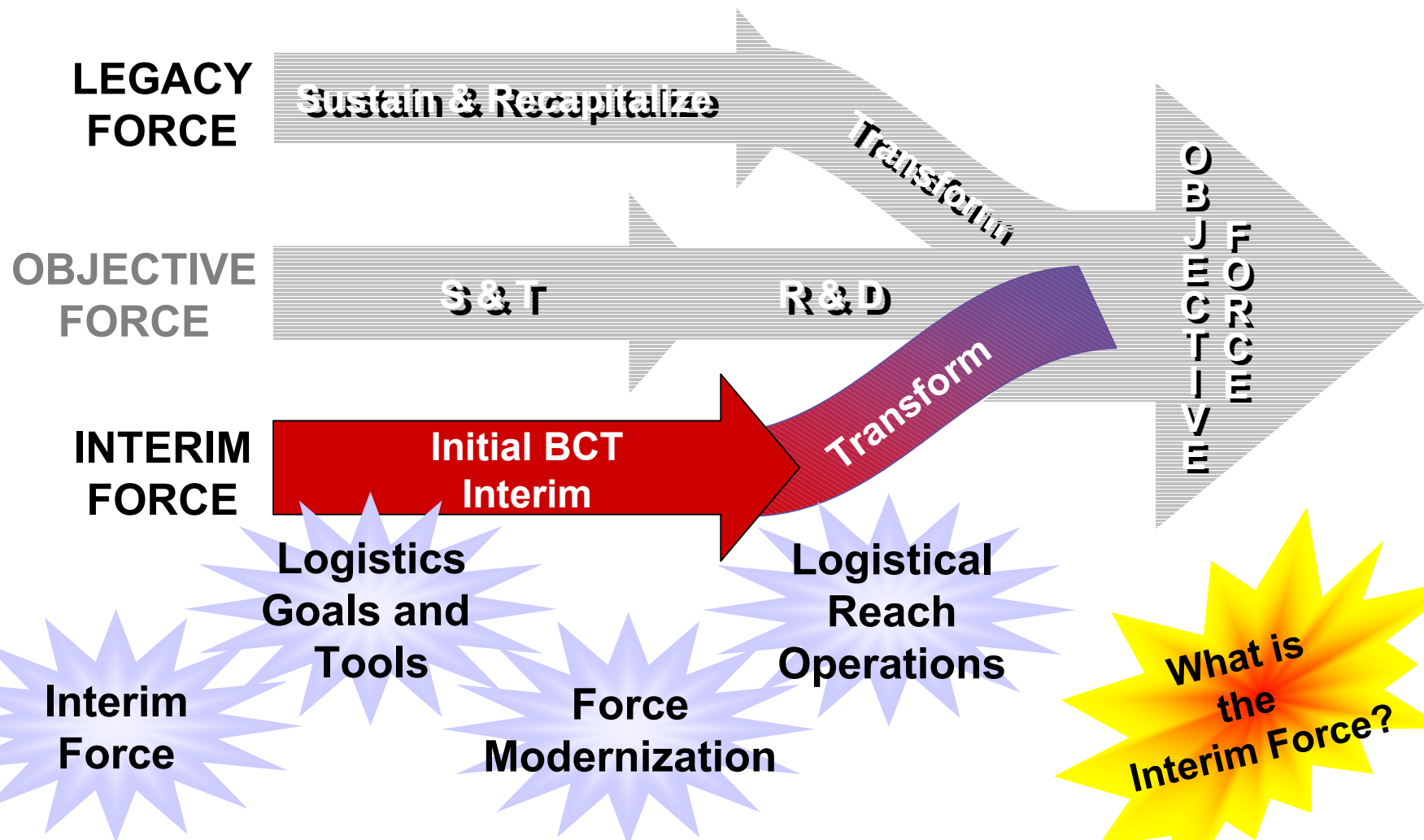
- Improving and sustaining readiness of Legacy Forces
- Provide Trained and Ready army forces to Joint Forces Command (JFCOM) to meet Warfighting CinC Requirements
- Leveraging DoD, Army and Industry capabilities

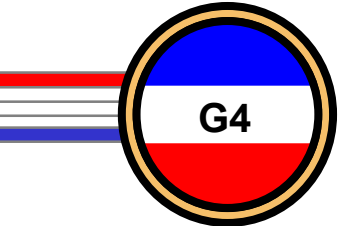
**Logistical Excellence
is a
Shared Responsibility**





FORSCOM Support to the Interim Force





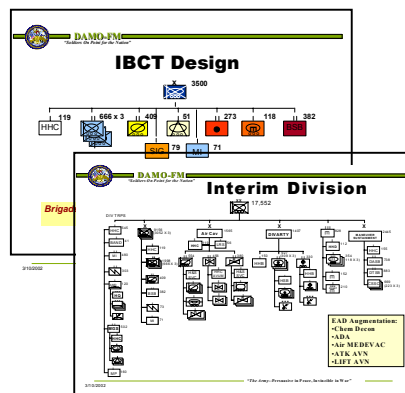
The Interim Force

An Overview

Army Transformation Objectives

- Responsive
- Deployable
- Agile
- Versatile
- Lethal
- Survivable
- Sustainable

- 1 BDE in 96 hrs
- 1 DIV in 120 hrs
- 5 DIVs in 30 days

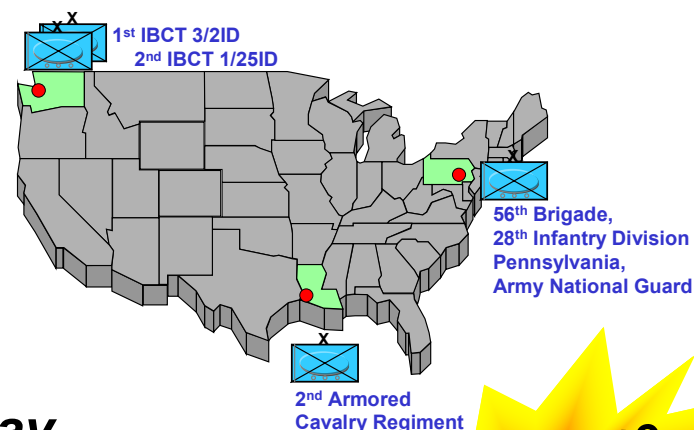


Interim Force Designs

Key Logistics Attributes:

- Strategic Deployability
- Operational mobility (C-130)
- Leverages Technologies
- Reduced Logistics Footprint
- Reach back capability

Interim Force Locations



Interim Force Logistics Goals and Tools

- Six Interim Brigade Combat Teams (IBCT's)
- **Four IBCT's are in FORSCOM**
- The first two are converting at Fort Lewis today
- Developing **Logistics enabler concepts and systems**



Logistics Transformation Goals and Tools

For the Interim and Objective Force

Reduce
Logistics
footprint in
the battlespace

**Enhance Strategic
Responsiveness --meet
deployment timelines**

**Reduce the cost
of logistics
without reducing
warfighting
capability and
readiness**

Joint
Logistics
Warfighting
Initiative
(JLWI)

Enduring
Freedom

Interim Armored
Vehicle (IAV)

Transportation
Coordinators

– Automated Information
for Movement
(TC-AIMS II)

Reach
Operations

Enduring
Freedom

Global Combat
Support System
– Army (GCSS-A)

Strategic
Distribution
Management
Initiative
(SDMI)

Enduring
Freedom

High Speed
Vessel (HSV)

Enduring
Freedom

Logistics Tool:
JLWI



Joint Logistics Warfighting Initiative

FORSCOM Partnering with Industry & Joint Community

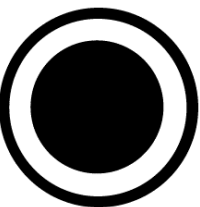
Shared Data Environment Pilots, Web Based, Real Time, Asset Vis



**3rd Infantry Division (M),
Fort Stewart, GA**



**1st Corps Support
Command, Fort Bragg,
NC**



**I Corps, Fort Lewis,
WA (Pending)**



**Enduring
Freedom**

Responsiveness

Confidence

**Reduced Log
Footprint**

REAL TIME READINESS COP

**Logistics Tool:
SDMI**

FORSCOM



Strategic Distribution Management Initiative (SDMI)

Tenets of a Distribution System:

Speed - Right place, right time

Reliability - Consistent

performance

Cost - Performance at the right cost

Visibility - Accountability

Partnership Between USTRANSCOM, DLA & other services

End State: A managed, scheduled, reliable

End to End

Global Distribution Process to the Warfighter

- ☐ Surface Distribution
- ☐ Air Distribution
- ☐ Stockage Management
- ☐ Finance Management

Integrates with:

- ☐ Joint Logistics Warfighter Initiative
- ☐ Joint Testing & Evaluation

Dover

Ramstein

South West
Asia

Taszar

Tuzla

Logistics Tool:
GCSS-A



Global Combat Support System - Army

Create and Maintain a World Class CSS Information System
to Support Army and Joint Battle Command Systems

- replace legacy systems
 - modern, seamless, web-based
 - interoperable across all services

**Key
Logistics
Enabler**

FORSCOM is Partnering with:

**Program
Executive
Offices**

**National
Guard
Bureau**

**Program
Managers**

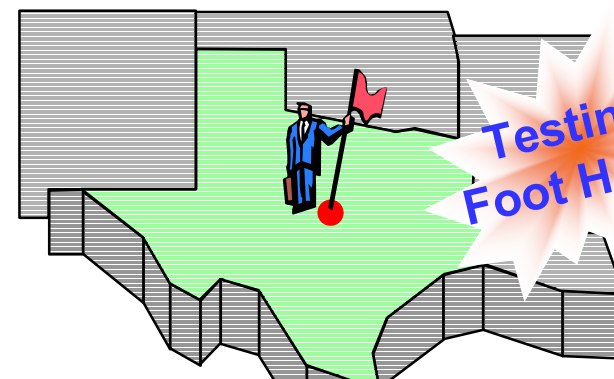
**Army
Materiel
Command**

**U.S. Army
Reserve
Command**

**FORSCOM
Installations**

**U.S. Army
Test &
Evaluation
Command**

**Civilian
Industry**



**Testing
Foot Hood**

**Working on site, side by side
as an integrated team**

**Logistics Tool:
TC-AIMS II**

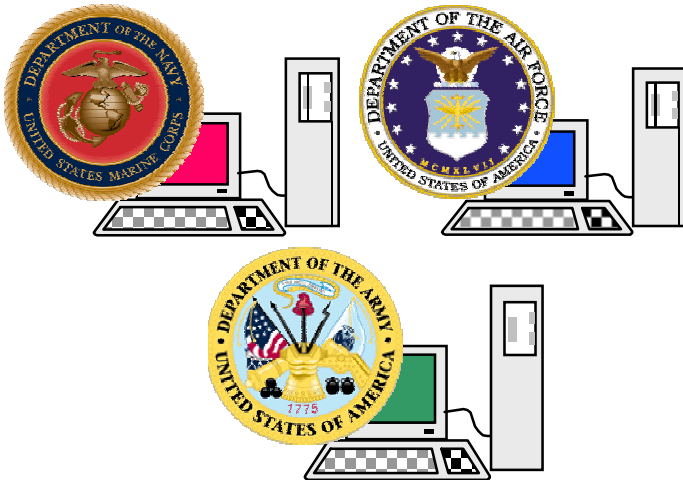


TC-AIMS II

Legacy System Migration To A Single System

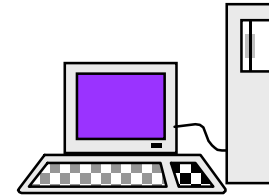
**Key
Logistics
Enabler**

Service Legacy Systems

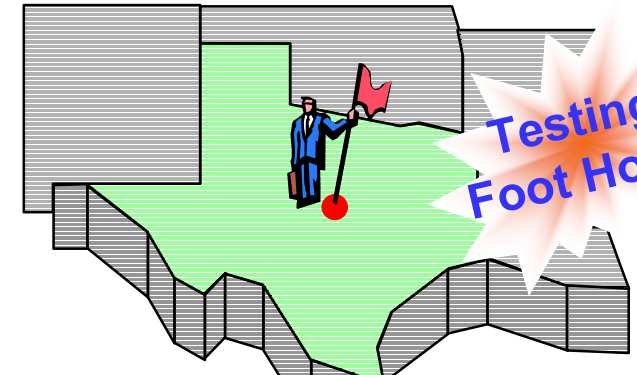


**Migration
Process**

Joint Solution TC-AIMS II



**Visibility of
Deploying
Assets**



**Testing
Foot Hood**

- ✓ Supports the Chairman's 72-hour TPFDD process
- ✓ Allows warfighter to identify to CINC what is coming
- ✓ Supports in-theater transportation movement control

**Working on site, side by side
as an integrated team**

**Logistics Enabler:
IBCT Commonality**

FORSCOM



IBCT Commonality

Degree of Commonality:

- IBCT unit's employ 4 common vehicles

IAV family

HMMWV family

HEMTT-LHS

FMTV's

- IAV commonality of supply

- HEMTT Tires

- FMTV Engine and Power Train

**Reduce Logistics
footprint in
the battlespace**



**Interim Armored Vehicle
(IAV)**

- ✓ 85 Percent Parts Commonality Across All System Configurations
- ✓ Lower Sustainment Cost
- ✓ 5.7 Miles Per Gallon
- ✓ C130 Transportable

Commonality Benefits:

- Decreased logistical footprint
 - Ease of sustainability and maintainability
 - Decreased deployability requirements for classes of supply
- Reduced Military Occupational Specialty (MOS) proliferation (enhanced tooth-to-tail ratio)

**Less Demand for Fuel
Fewer Unique parts**

**Interim Force
Force Modernization**

IAV: Interim Armored Vehicle **HMMWV:** High Mobility Multipurpose Wheeled Vehicle
HEMTT: Heavy Equipment Mobile Tactical Truck **FMTV:** Family of Medium Tactical Vehicles



Force Modernization



Transportation Coordinators – Automated Information for Movement (TC-AIMS II)



HEMTT – LHS



Movement Tracking System (MTS)

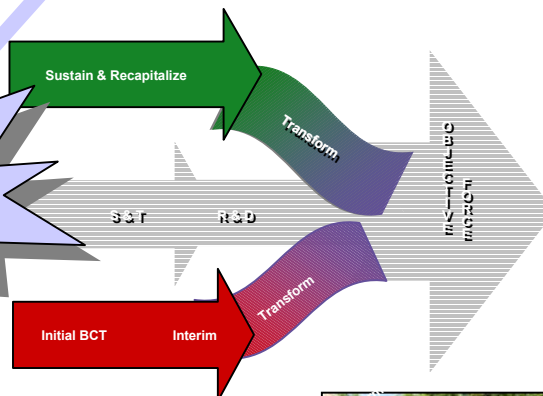


Laundry Advanced System (LADS)

New Equipment Fieldings



Interim Armored Vehicle (IAV)



Interim Force Enablers



Forward Repair System (FRS)

Interim Force Mobility Challenge



Interim Force Mobility Challenge

**Enhance Strategic
Responsiveness --meet
deployment timelines**

- Army Watercraft
- Intra-Theater Lift
- Heavy & IBCT Capable

**Enduring
Freedom**



High Speed Vehicle (HSV)

- Leased commercial Australian fast-ferry catamaran for testing & evaluation
- Projected to support Operation Enduring Freedom
- Scheduled to support exercise deployments
 - ✓ Speed 40 knots; Averages 28 knots
- Crew of 31
- Capabilities:
 - ✓ Equivalent to 100 C-130
 - ✓ 96m vessel, 500 ST cargo
 - ✓ Up to 3 IBCT companies + troops

**Logistical
Reach
Operations**

**TODAY
104**



STRATEGIC AIRLIFT

**GOAL
222**

**TODAY
16**



STRATEGIC SEALIFT

**GOAL
20**

**TODAY
7**



BRIGADE SETS

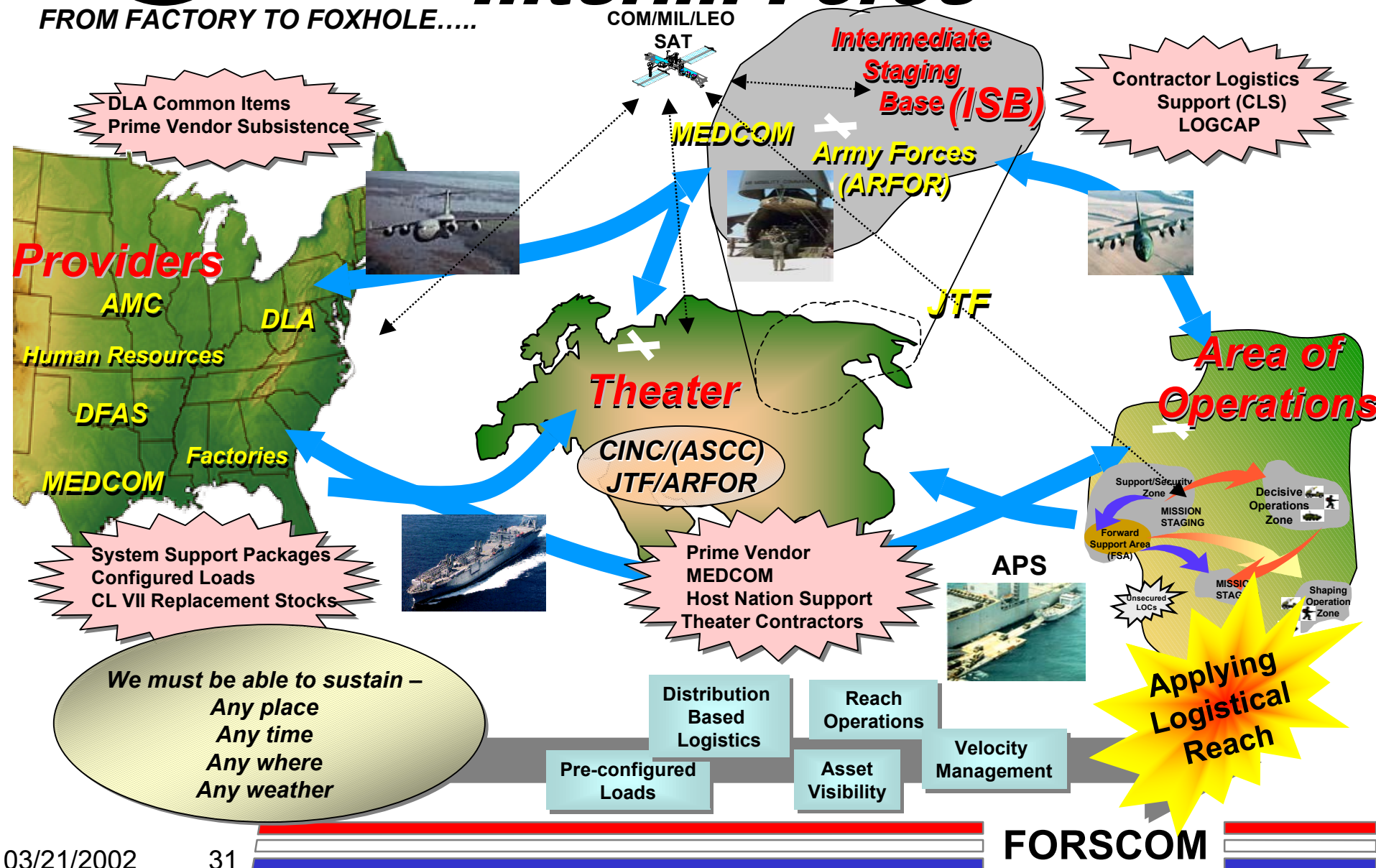
**GOAL
8**

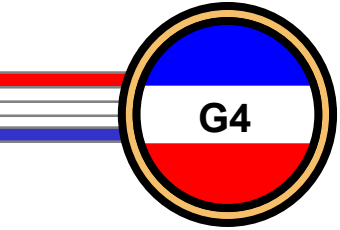


Reach Operations

Interim Force

FROM FACTORY TO FOXHOLE.....





Agenda

FORSCOM Overview

Army Transformation

FORSCOM Support to Transformation

FORSCOM Support to Current Operations

**Logistical Reach
Operations in
ENDURING FREEDOM**

Excellence On the Battlefield

Distribution Based Logistics

- ISBs
- SDMI



ARMY SUPPORT TO OTHER SERVICES

- 15 DOS at 5 Locations
- Common User Logistics

TECHNOLOGY

- JLWI
- ITV



PARTNERSHIP WITH INDUSTRY

- Prime Vendor (food & medical)
- Sandia Foam
- Biological Identification Detection System
- Bulk Fuel



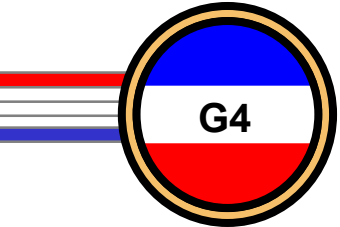
REACH OPERATIONS

MODULARITY OF SUPPORT

- Forward Log Elements
- Force Provider
- Laundry & Bath
- Mortuary Affairs

Strategic Distribution





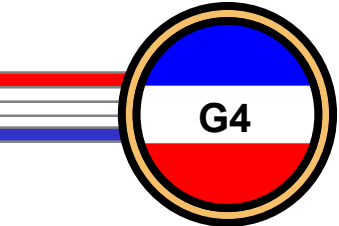
Strategic Distribution

- Anticipatory Logistics
- Two Strategic Transition Points
- Three Intra-Theater C-130/17 Hubs
- Rail & Sea Lines of Communication
- High Speed Vessel
- C-17



**Reduce Days of Supply
From 60 to 15 Days**

Food



Food & Fuel

Partnerships with DLA

Food

- Prime Vendor
- Unitized Group Rations
 - Heat & Serve
 - "A" Rations
- Fresh Fruits & Vegetables
- Bottled Water
- Moved by air & rail
- Supporting over 35,000 personnel
- **Maximize** Commercial practices



Thanksgiving



Mobile Fuel Laboratory

Fuel

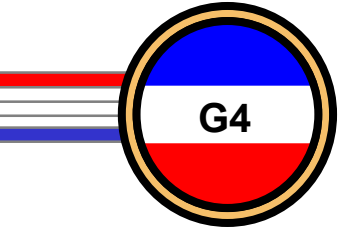
- Bulk fuel
 - Wholesale
 - Retail
- Multiple fuels & grades from six countries
- Excess of 340,000 gallons issued daily
- Equipment
 - Mobile Fuel Labs (Testing)
 - Fuel Injectors (Additives)
- **Maximize** Commercial practices



Military Fuel Mixer

Service
Compatibility

Sustainment



Sustainment

- **AMC**

- Executive Agent for Pre-positioning
 - Afloat
 - Ashore
- Maintenance
 - Logistics Assistance
 - Maintenance Assistance
- Ammunition
- Logistics Civilian Augmentation Program (LOGCAP)

- **New Systems**

- Laundry Advanced System (LADS)
- Palletized Load System (PLS)

- **DLA**

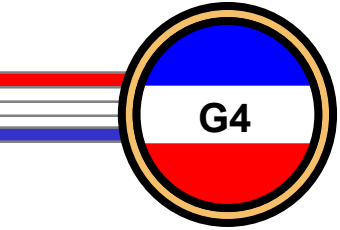
- Contingency Support Team
 - Food, fuel, clothing, & building materials
 - Hazardous Materials

- **Contractor Logistics Support**

- **Overall Sustainment**

- Sustaining a force in excess of 35,000
- Equivalent of 65 C-17 loads of food moved by rail to date
- Total of 1,570 airlift missions moving sustainment cargo
- Over 28,000 tons of cargo moved via intra-theater airlift
- Optimization of “off-the-shelf” technology
 - ✓ Two man tent
 - ✓ Unitized Group Rations
 - ✓ Sandia Foam

In Review

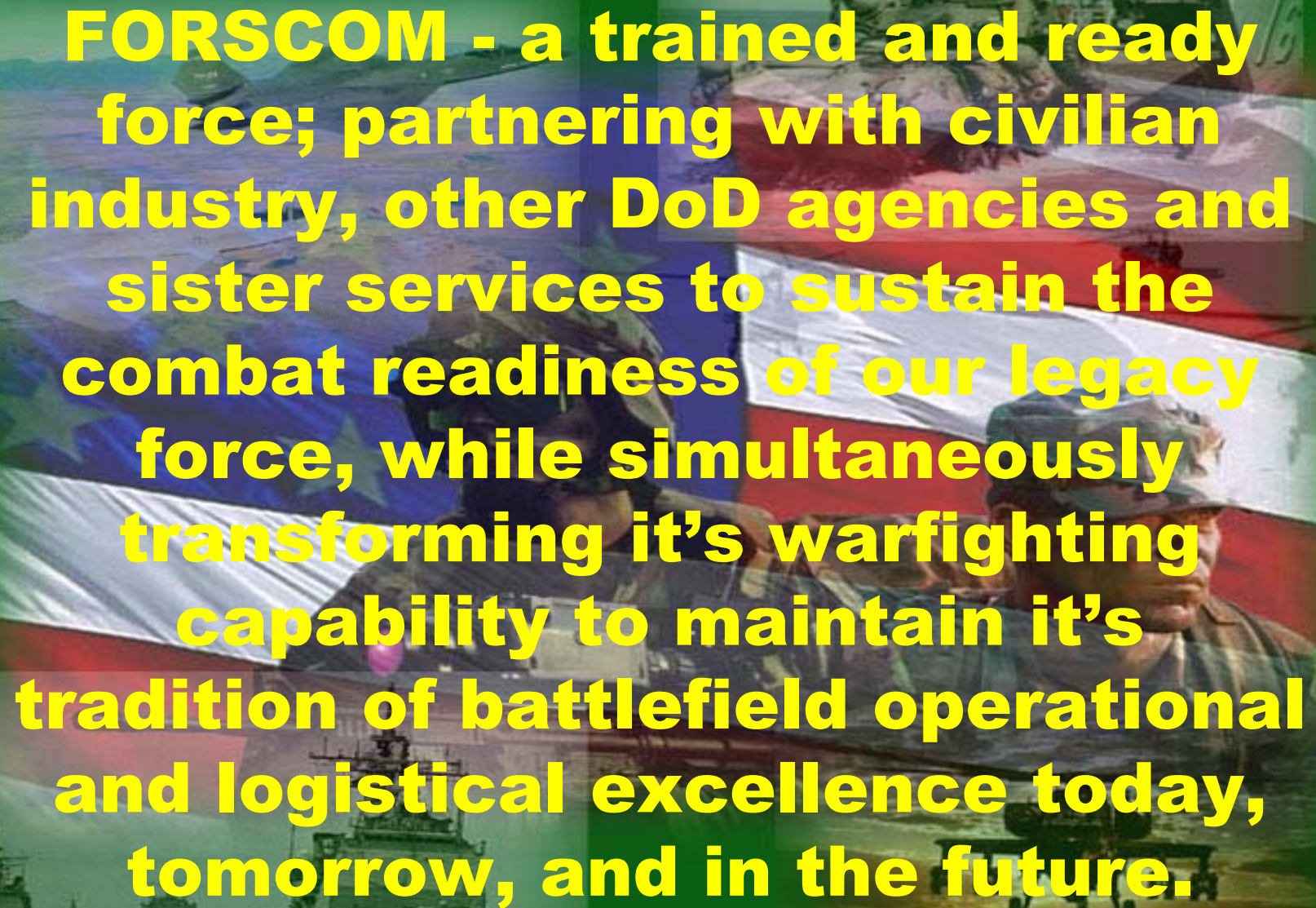


Summary

- Sustain THREE forces → ONE Army
- Transform and Modernize
- Partner with Private Industry

**Operational Logistics
Excellence
is a
Shared Responsibility**

**Sustain Operational logistics excellence mandates
combined, joint, and civilian partnerships**



FORSCOM - a trained and ready force; partnering with civilian industry, other DoD agencies and sister services to sustain the combat readiness of our legacy force, while simultaneously transforming it's warfighting capability to maintain it's tradition of battlefield operational and logistical excellence today, tomorrow, and in the future.



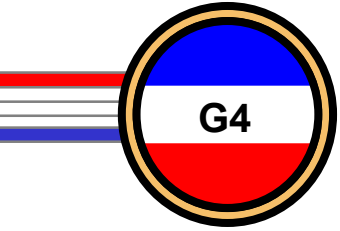
Let's give him
Enough and On

Operational Logistics: Achieving Logistics Excellence on the Battlefield

A Shared Responsibility

Presented to: 18th Annual DoD Logistics
Conference,
Jacksonville, FL

Presented by: Major General Dan Mongeon,
FORSCOM Deputy Chief of Staff, G4



Back-Ups





FORSCOM Support to Interim Forces

Summary

Provides the warfighting CinCs with lighter, smaller, lethal forces

Leverages Industry for development and sustainment

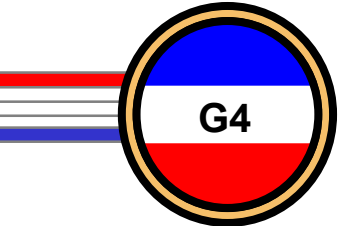
Science and Technology
Production of Systems

REPLACE

Application to
Current Operations:
ENDURING FREEDOM

Warfighter Expectations...

***“We Want The Right Stuff, At The
Right Place, At The Right Time!”***

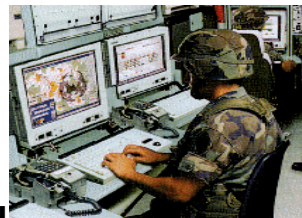


Logistics Enablers

➤ GCSS-Army

Key
Logistics
Enabler

- Replacement for old legacy systems,
- Seamless, Interoperable
- Real-Time Integrated CSS information
- Beta version Testing Conducted at Fort Hood



➤ CSSCS

- Log Command Control Decision Support System, Critical, Timely, Integrated, Accurate
- Includes all Classes of Supply, Maintenance, Medical, Personnel



➤ TC-AIMS-II

Key
Logistics
Enabler

- Facilitates Movement of Personnel, Equip. and Supplies
- In-theater transportation and distribution system
- Provides Visibility during Peace-Time and War-Time
- Testing conducted at Fort Hood and elsewhere



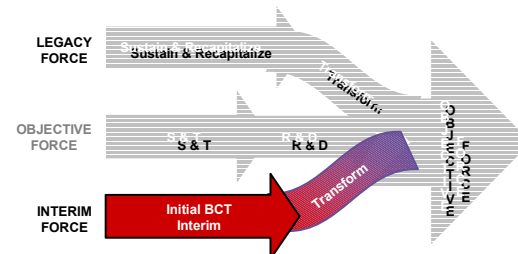
➤ TAV/AIT

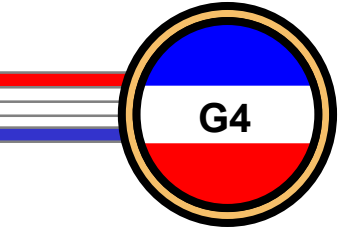
- Army initiative, provides visibility on location, quantity, condition, and movement of assets, Used throughout DoD
- Permits Rapid, Accurate Source Data,
- Allows Army and DoD to monitor cargo movements, critical supplies



Diagnostics/
Prognostics

Web-based
Portals





Warfighting Readiness is our Highest Priority

*U.S. Army Forces Command (FORSCOM) is **trained** and **ready** for victory. As a **major command** and the **Army component of U.S. Forces Joint Command**, FORSCOM **trains, mobilizes** and **deploys** the Army's ground forces to **meet the operational requirements** of the nation.....*

.....we have in place the people, processes and supporting infrastructure required to mobilize and deploy active and reserve component land forces worldwide. We are committed to ensuring that our units are always trained, always ready for victory.

*Commander
U.S. Forces Command
Summer 2001*

